LAPTEV, Dmitriy Martem'yanovich; SHVARTSMAN, L.A., prof., retsenzent

[Problems and exercises on the thermodynamics of solutions] Zadachi i uprazhneniia po termodinamike rastvorov. Moskva, Metallurgiia, 1965. 218 p. (MIRA 18:7)

ALFKSEYEV, V.I. (Moskva); SHVARTSMAN, L.A. (Moskva)

Investigating the thermodynamics of the formation of mixed iron - chromium carbides of the type (Fe_XCr_y)23C6. Izv. AN SSSR. Met. no.1:173-179 Ja-F '65. (MIRA 18:5)

I	L 49285-65 EWT(m)/EWP(z)/EWA (c)/EWP(b)/T/EWP(t) Pad IJP(c) JD/HW UR/0020/65/161/005/1073/1076,
	AUTHOR: Itkin, V. P.; Mogutnov, B. M.; Shvartsman, L. A.
T	FITLE: Heat transformations of <u>iron-nickel</u> martensite
S	SOURCE: AN SSSR. Doklady, v. 161, no. 5, 1965, 1073-1076
i e	TOPIC TAGS: iron alloy, nickel containing alloy, aluminum containing alloy, titan- ium containing alloy, alloy aging, iron nickel martensite, martensite aging
١,	ARCHRACT: The aging of martensite in 1) Fe + 7.75% Ni, 2) Fe + 7.75% Ni + 1.75% Ti alloys has
1	been investigated at temperatures up to the new phases) were observed in alloy 1. However, exothermic processes
	caused by precipitation of certain a specific heat curve of Fe-Ni-Al alloy exhibited
	two minima (at 405 and 4950), indicating two minima (at 405 and 4950), indicating the sping at temperatures up to 5000 was 15 J/g, of which 5.4 J/g occurred the sping at temperatures up to 5000 was 15 J/g, of which 5.4 J/g occurred the sping at temperatures up to 5000 was 15 J/g, of which 5.4 J/g occurred the sping at the sping
1	during the first stage. Aging of Fe-Ni-Ti alloy proceeded in three successful during the first stage. Aging of Fe-Ni-Ti alloy proceeded in three successful during the first stage up to 675C was 510, and 575C. The calculated heat effect for aging at temperatures up to 675C was 510, and 575C. The calculated heat effect for aging at temperatures up to 675C was 510, and 575C. The calculated heat effect for aging at temperatures up to 675C was 510, and 575C. The calculated heat effect for aging at temperatures up to 675C was 510, and 575C. The calculated heat effect for aging at temperatures up to 675C was 510, and 575C. The calculated heat effect for aging at temperatures up to 675C was 510, and 575C. The calculated heat effect for aging at temperatures up to 675C was 510, and 575C. The calculated heat effect for aging at temperatures up to 675C was 510, and 575C. The calculated heat effect for aging at temperatures up to 675C was 510, and 575C.
	Card 1/2
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49285-65			
CESSION NR: AP5011529	1 11	- to that of the Fe-Ni-Al	
spectively. The aging of Fe- loy; the heat effect for aging	Ni-Al-Ti alloy was similar g at temperatures up to 5	500 was 36.4 J/g, of which	
loy; the neat effect for again	rst stage. Thus, aging o	f iron-nicker mar sense with	
rmation of intermetallic comp s indicatea that the aging o lion of various nickel-base i	f iron-nickel martensite	Orig. art. has: 2 figures	
ion of various nickel-Dase	"Urelme our and a	[mo]	11.745.5
1 1 Labla			
d 1 table.		- Weentral 'nogo nauchno-	
d 1 table.	vedeniya i fiziki metallov	Tsentral'nogo nauchno-	
SOCIATION: Institut metalloves seledovatel'skogo instituta chetal Science and the Physics of	vedeniya i fiziki metallov	Tsentral'nogo nauchno-	
d 1 table. SOCIATION: Institut metalloves ledovatel'skogo instituta chetal Science and the Physics of the Phys	vedeniya i fiziki metallov	Tsentral'nogo nauchno-	
d 1 table. SOCIATION: Institut metalloves ledovatel'skogo instituta chetal Science and the Physics of the Phys	vedeniya i fiziki metallov nernoy metallurgii im. I. of Metals, Central Scienti	Tsentral'nogo nauchno- P. Bardina (Institute of Lfic Research Institute of	
d 1 table. SOCIATION: Institut metalloves institute of the state of t	vedeniya i fiziki metallov nernoy metallurgii im. I. of Metals, Central Scienti	Tsentral'nogo nauchno- P. Bardina (Institute of Lfic Research Institute of SUB CODE: MM	
SOCIATION: Institut metalloves seledovatel'skogo instituta che tal Science and the Physics reprous Metallurgy) UBMITTED: 260ct64 O REF SOV: 005	vedeniya i fiziki metallov nernoy metallurgii im. I. of Metals, Central Scienti	Tsentral'nogo nauchno- P. Bardina (Institute of Lfic Research Institute of SUB CODE: MM	
SSOCIATION: Institut metallovessledovatel'skogo instituta chetal Science and the Physics reprous Metallurgy) UBMITTED: 260ct64 O REF SOV: 005	vedeniya i fiziki metallov nernoy metallurgii im. I. of Metals, Central Scienti	Tsentral'nogo nauchno- P. Bardina (Institute of Lfic Research Institute of SUB CODE: MM	

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L 1353-66 EWT(m)/EI	P(w)/EWP(t)/EWP(t)	—IJP(€)——JD	
ACCESSION MR: AP50219	16	m/0126/65/020/002/02 66.017/019	51/0257 4/ 39
AUTHOR: Surovoy, Yu. 1	.: Shwartenen, L. A.:	Aleksevey, V. I.	0
55		5 5	
TITLE: Meture of chem	ical bonding in the car	rbides and mitrides of	trensition
metals		5 27	
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SOURCE: Finika metalle	ov i metallovedeniye,	v. 20, no. 2, 1965, 251	-257
		nol combile decompleton	
		tal carbide, transition g electron, bonding orb	
electron	'I decomposition, someth	9 61661100, 6000100	
21401101			200
ABSTRACT: On the basis	of the theory that, d	uring the formation of	the metalloid
compound, the valence	lectrons of the atoms	of both components migr	ste to the d-
level of the metal ator	me, relations are deri	ved between the heats o	E SCORISSTION
of the carbides and ni	trides of Il and Cr an	d the effective charges bonding in the carbides	end sittides
of the transition mate	le is based on the 4-h	end of the transition m	etale, which
accepte the n-electron	of carbon or mitroger	a. This bonding may to	a large extent
			in the second se
accepts the p discussion			

L 1353-66

ACCESSION NR: AP5021936

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have the properties of a metallic bonding but at the same time it is distinguished by the property of saturability: along with the bonding orbits, if the number of electrons in the compound exceeds a certain level, there appear orbits which weaken the bonding. The presence of bonding orbits conditions a definite proportion of covalence and the attendant properties: hardness, chemical inertia, etc. The strength of bonding, given an equal number of electrons, is determined by the electrostatic interaction between d-, s-, and p-electrons and the nuclei of the metal and metalloid, on taking into account the shielding effect of the internal electrons; the weaker this electrostatic attraction is, the stronger is the bonding in the compound. The strongest bonding in the carbides, nitrides, and borides of the transition metals is observed in cases where there are 5.5-6.5 electrons per metal atom; it is exactly in these cases that the melting points of such compounds are the highest (upward of 2600°C) and they are the most heat-resistant. This is exemplified by the case of titanium carbide: The electronic structure of Ti is 3d24s (beyond the argon shell), and that of C, 1s22s22p2. Total number of bonding electrons: two 3d- and two 4s-electrons from Ti, minus 0.5 electron departing for the conductivity band, plus two 2p-electrons from C. Thus, the sum total of the electrons considered is 5.5. Orig. art. has:

can 2/3

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330010-3

L 1353-66 ACCESSIÓN MR: AP50	21936				2
1 table.		ŕ			
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SUMMITTED: 13Jul64 MO BEF SOV: 006		L: 00			
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day					
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ACC NR: AP6036719 SOURCE CODE: UR/0119/66/000/011/0025/0027

AUTHOR: Varlamov, G. K. (Engineer); Makarov, A. I. (Engineer); Nikolayev, S. A. (Engineer); Polevaya, Zh. A. (Engineer); Shvartsman, L. D.

(Engineer)

ORG: none

TITLE: Investigating reliability of USEPPA discrete elements

SOURCE: Priborostroyeniye, no. 11, 1966, 25-27

TOPIC TAGS: pneumatic control element, pneumatic control system / USEPPA pneumatic control system

ABSTRACT: The preliminary results are reported of an investigation of reliability of USEPPA pneumatic-control elements fabricated by the Ust!-Kamenogorsk Instrument Plant. Lack of time and continuous modernisation of

Card 1/2

UDC: 62.525 "401.7"

ACC NR: AP6036719

elements did not permit conducting a thorough investigation. Tests in "yes-no" circuits were conducted at frequencies up to 2.5 cps (some up to 10 cps), at 25C and 40-70% humidity; the elements were regarded as nonrepairable equipment; supply pressure, 1-4 kg/cm; twelve different types of elements were tested. The values of the mean time to failure are tabulated. It was found that:

(1) Relay-type elements have a least reliability in the 2.5-5-cps range; (2) The mean time to failure for diaphragm- and shutter-type elements has the same order of magnitude and is practically independent of their circuits; (3) The use of a supply pressure of 1 kg/cm², instead of 1.4 kg/cm², increases the reliability of the elements tenfold; (4) Generally, the failures were caused by wear, and their distribution seems to obey the normal law. Details of tests and hints for modernization are discussed. Orig. art. has: 4 figures, 4 formulas, and 1 tables.

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 002

Card 2/2

SHVARTSMAN, L. G.

"An Investigation of the Operation of Cascade Generators in Steady-State Operation and During Disruptions of the Stationary State." Cand Tech Sci, All-Union Order of Lenin Electrical Engineering Inst imeni I. V. Lenin, 14 Dec 54. (VM, 3 Dec 54)

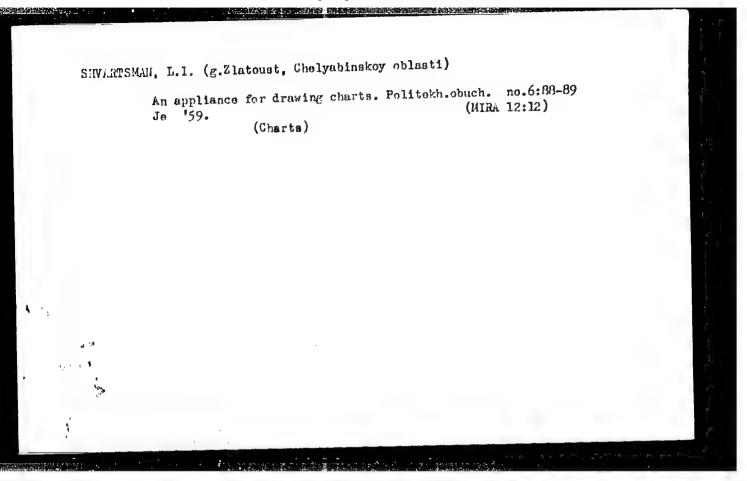
Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)

SO: SUM No. 556, 24 Jun 55

SHVARTSHAM, L.I.(Zlatoust)

Visual sid for the study of trigonometry. Mat. v shkole no. 4:6162 J1-Ag *58.

(Trigonometry--Study and teaching)



#### SHVARTSMAN, L.M.

Pneumatic transportation of cotton components in cotton-harvesting machines. Izv. AN Uz. SSR. Ser. fiz.-mat.nauk no.4:77-83 '58.

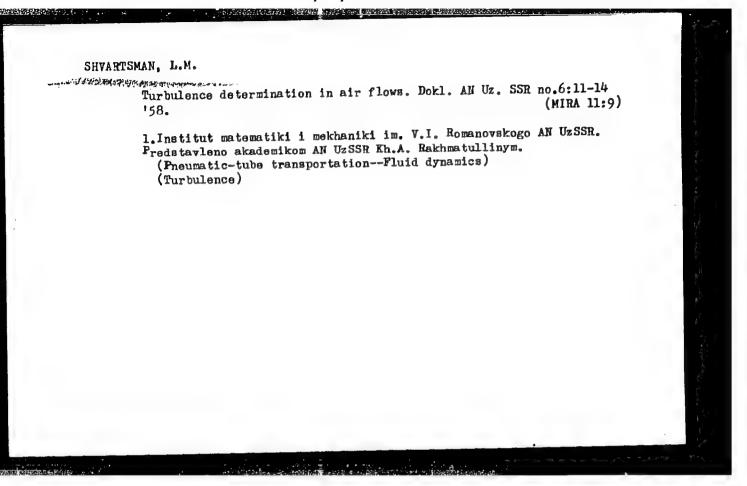
(MIRA 11:11)

1. Institut matematiki i mekhaniki AN Uz. SSR. (Cotton-picking machinery)

ISMAILOV, M.I.; SHVARTSMAN, L.M.

Measuring the velocity and turbulent pulsations by means of a device equipped with a capacitor. Isv. AN Us.SSR. Ser. fix.mat. nauk no.2:51-55 '58. (MIRA 11:10)

1. Institut matematiki i mekhaniki imeni V.I. Romanovskogo. (Aerodynamic measurements)



#### CIA-RDP86-00513R001550330010-3 "APPROVED FOR RELEASE: 08/31/2001

SOV/166-59-2-10/11 10(3),10(7)

Shvartsman, L.M. Investigation of Turbulent Pulsations of the Air Flow With AUTHOR:

Semiconductor-Heat-Resistances (Issledovaniye turbulentnykh pul'satsiy vozdushnogo potoka poluprovodnikovymi termosoprotiv-TITLE:

leniyami)

PERIODICAL: Izvestiya Akademii nauk Uzbekakoy SSR, Seriya fiziko-

matematicheskikh nauk, 1959, Nr 2, pp 83-87 (USSR)

The author describes a thermistor used for the investigation of turbulent pulsations of the air flows. The apparatus is heated ABSTRACT:

by electric current and simultaneously it is cooled by the air flow. The use bases on the connection between the heat emission of the apparatus and the velocity of the air flow. The given

scheme contains two milliammeter, 2 resistances, 1 bifurcation, 1 voltmeter, 1 electronic voltage stabilizer, 1 switch, and 1 oscillograph. The measurements were carried out in air ducts; the

size of the apparatus is so small that even the turbulence

inside of the boundary layer can be measured.

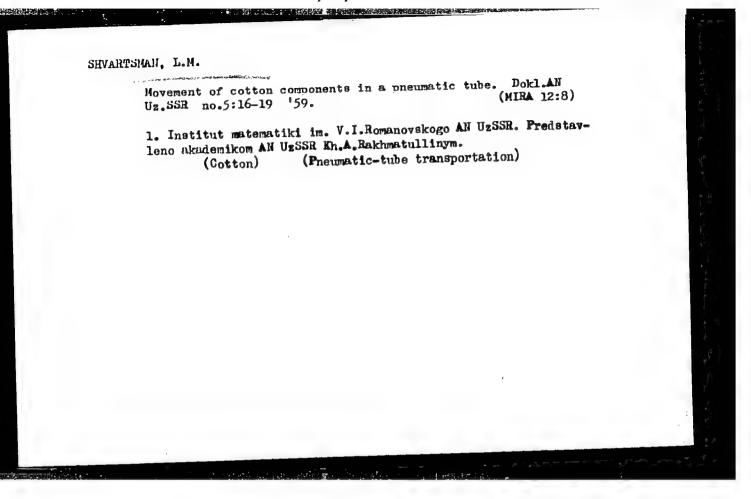
There are 4 figures and 2 Soviet references.

ASSOCIATION: Institut matematiki i mekhaniki AN UzSSR (Institute of

Mathematics and Mechanics AS Uz.SSR)

October 25, 1958 SUBMITTED:

Card 1/1



SHVARTSMAN, L.M.; KOBYAKOV, O.S.; KOSTIN, Yu.P.

Checkrowing with an automatic electronic device. Izv.
AN Uz.SSR.Ser.tekh.nauk. no.3:68-70 '60.
(MIRA 13:7)

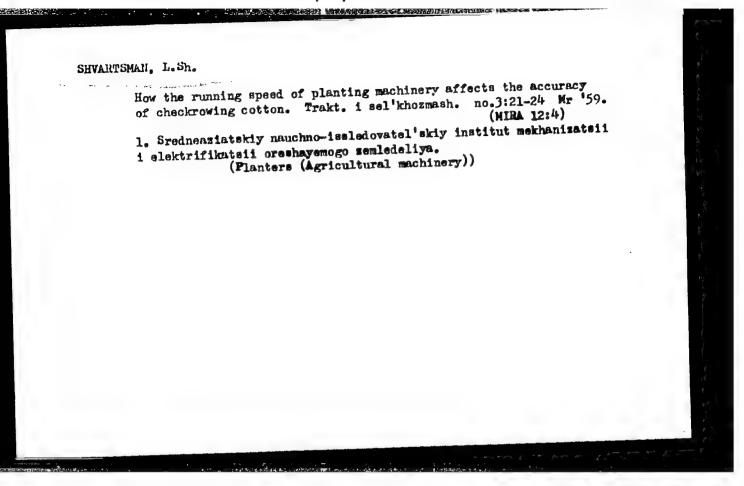
1. Institut mekhaniki AN UzSSR.
(Sowing) (Automatic control)

SHVARTSMAN, L.N.

Energy of the base state of an electron impurity center in an ionic crystal as a function of the chemical nature of the impurity.

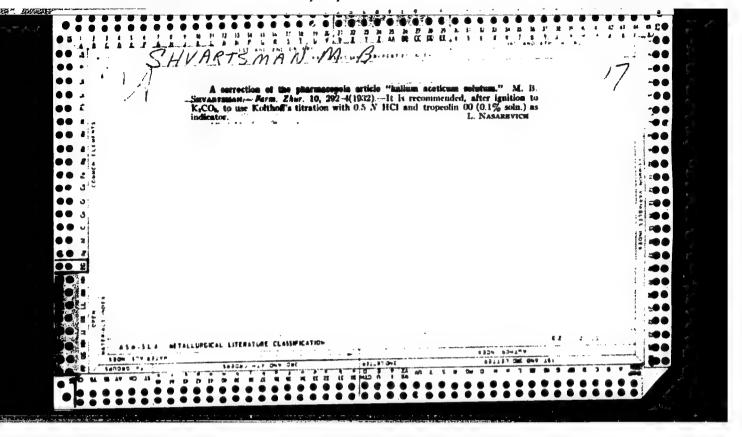
Izv.Sib.otd.AN SSSR no.5:51-58 160. (MIRA 13:7)

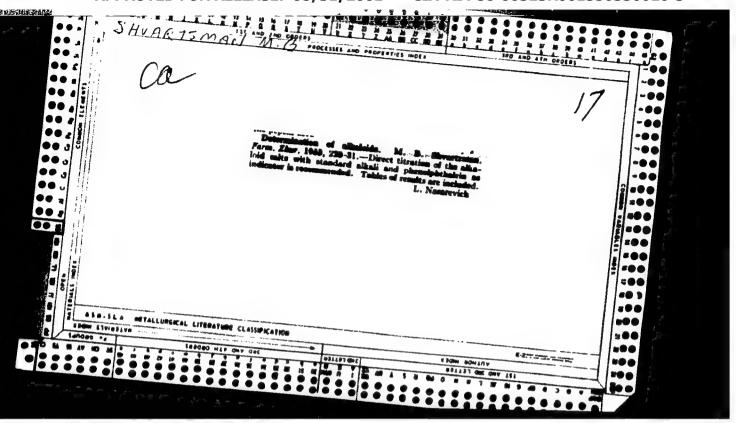
1. Institut neorganicheskoy khimii Sibirskogo otdeleniya AN SSSR. (Ionic crystals)

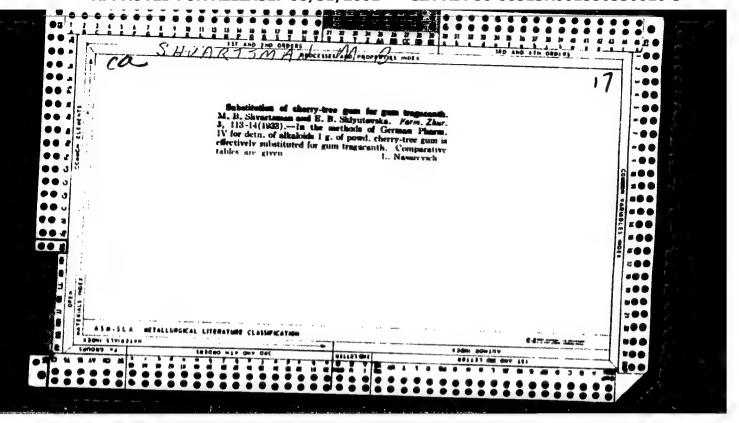


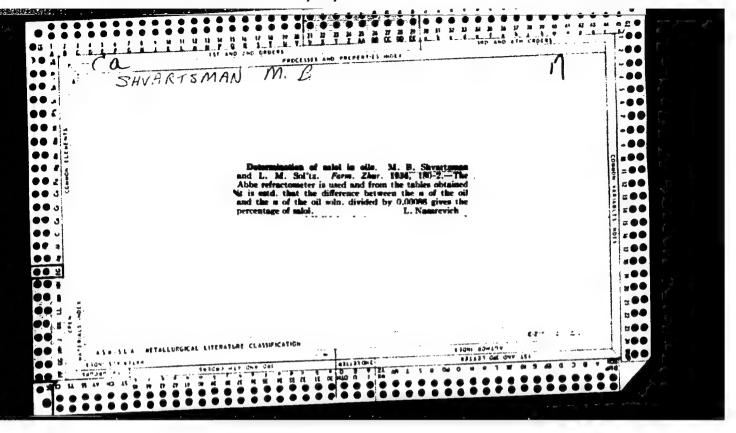
Protocytic encymes in the clinical espects of surgical pulmonary nutreculosin. Prob. bub. no.k17-21 '55.

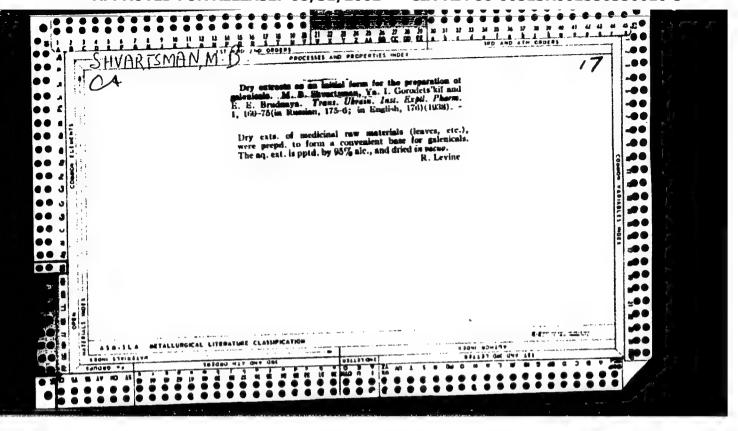
1. Fafedra khirungii legonnogo tuberkuleza TSentral'nogo instituts usovershenstvovaniya vrachey, otdelenye borakal'noy khirungii protizooberkulezney bol'nitsy (nachal'nik V.I. Robak) Ilvovskoy zheiszney corogi. 2. Deyatvitel'nyy chian ANN 655R (for Begush).

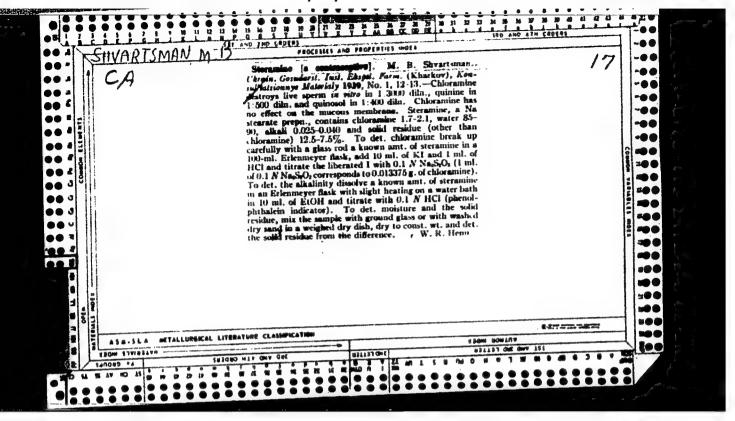


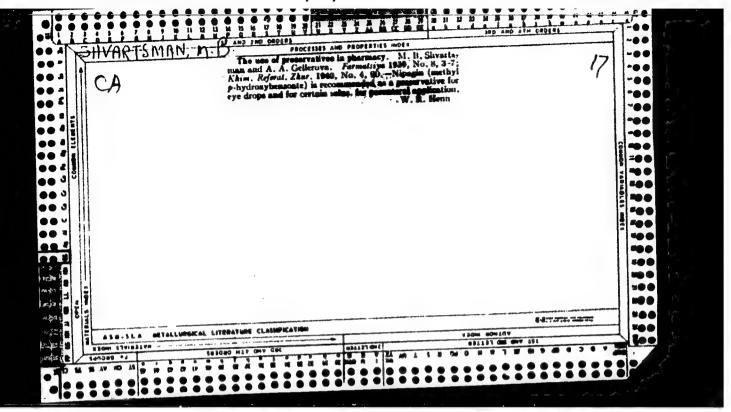












ASTAKHOVA, Zhanna Aleksandrovna; TSIPIS, Yuzef Mironovich; SHVARTSMAN, Moisey Borisovich; FILOGRIYEVSKAYA, Z.D., red.; MARTSEVICH, Yu.P., red. izd-va; KOZIKNKOVA, Ye.I., tekhn. red.

[Procurement of medicinal and industrial raw materials in the Ukraine] Zagotovka lekarstvenno-tekhnicheskogo syr'ia na Ukraine.

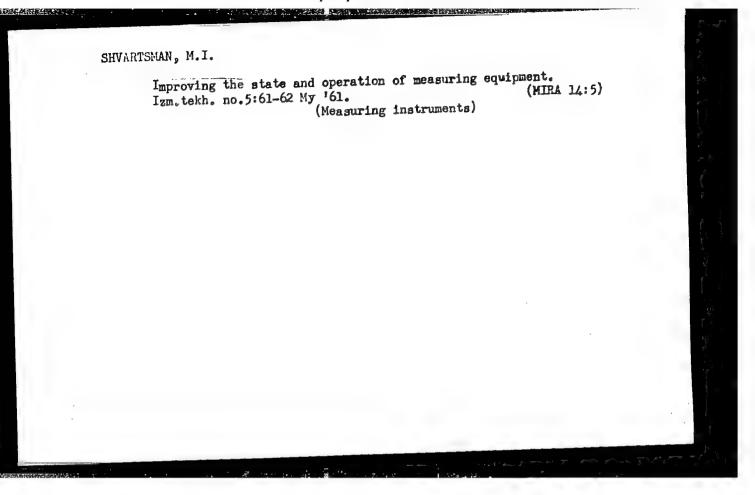
Moskva, Izd-vo TSentrosoiuza, 1960. 23 p. (MIRA 14:10)

(UKRAINE—BOTANY, MEDICAL)

VENDEL'SHTEYN, B.Yu.; BUKANOVA, M.G.; GORBENKO, A.S.; ISHMETOV, M.G.; SKIBITSKAYA, N.A.; MANCHEVA, N.V.; SHVARTSMAN, M.D.; DAKHNOV, V.N., doktor geol.-miner. nauk, prof., red.; KUZ'MINA, N.N., ved., red.; POLOSINA, A.S., tekhn. red.

[Album of nomograms and charts for interpreting the data of geophysical methods for studying wells] Al'bom nomogramm i paletok dlia interpretatsii dannykh geofizicheskikh metodov issledovaniia skvazhin. Pod red. V.N.Dakhnova. Moskva, Gostoptekhizdat, 1963. 61 p. (MIRA 16:11)

(Prospecting--Geophysical methods)



Po-Li/Pr-Li/Pa-Li RPL/ASD(a)-5/SSD/ EWT(m)/EPF(c)/EPR/EWP(j)/T 8/0190/64/006/008/1487/1492 SSD(c)/ASD(m)-3/AFETR/ESD(t) .RM/WW:.. ACCESSION NR: AP5003799 Petrov. Yu. I.; Shvartsman, M. I. AUTHOR: Klabunovskiy, Ye. I.; and itaconic TITIE: Optically active polymers based on esters of methacryli Source: Vysokomolekulyarnyye soyedineniya, v. 6, no. 8, 1964, 1487-1492 acids TOPIC TAGES: negester, macromolecular chemistry, polymerization, optic property, optic method ABSTRACT: Optically active polymers: (+)-poly-2-methylbutylmethacrylate. (-)-polymethylmethacrylate, and (+)-poly-di-(2-methylbutyl) itaconate were synthesized by the polymerization of the corresponding optically active esters of methacrylic and itaconic acids. The optically active polymers were synthesized by free-radical polymerization: (catalyzed by benzoyl peroxide), anionic polymerization (catalyzed by phenylmagnesium bromide), and thermal polymerization (by heating to 2000). Their properties (softening point, specific rotation, and intrinsic viscosity) were investi-The polarometric method was shown to be suitable for the study of Card 1/2...

L 20785-65
ACCESSION NR: AP5003799

polymerization kinetics, using the polymerization of (*)-2-methylbutyl methacrylate as an example. Relationships were found between the specific rotation and the time, degree of polymerization, and molecular weight. Orig. art. has: 1 formula, 4 graphs, 1 table.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo AN SSSR (Institute of Organic Chemistry, AN SSSR)

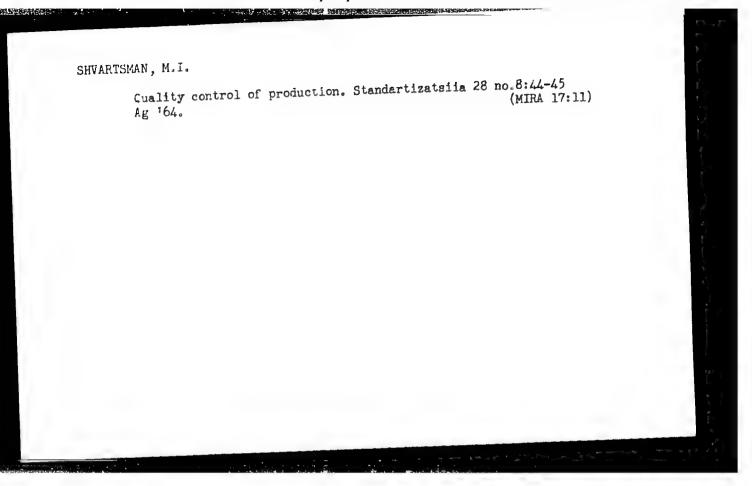
SUBMITTED: 030ct63 ENCL: 00 SUB CODE: 0C, 0P

NO REF SGV: 003 OTHER: 018 JFRS

KLABUNOVSKIY, Ya. F.; EVART MEN. M. I., PETROV, Yu. F.

Application of optical rotatory dispersion in the study of the structure of optically active polymers. Vysokom.sced. 6 no.9:1579-1584 S 164. (MIRA 17:10)

l. Institut organicheskoy khimii imeni Zelinskogo.



AUTHOR:

Shvartsman, M.L., Engineer, Khabarovsk Engineering Works

imeni L.M. Kaganovich.

TITLE:

A novelty in the technology of machining the separating faces of turbine frame parts. (Novoye v tekhnologii obrabotki

ploskostey raz'emov korpusnykh detaley turbin.)

The state of the second second

PERIODICAL: "Energomashinostroenie" (Power machinery construction), 1957, No. 5, p. 31, (U.S.S.R.)

ABSTRACT:

In machining the separating faces of turbine frame parts a good surface finish and a high accuracy are required. the Khabarovsk Engineering Works these requirements were formerly met by hand scraping. Then scraping was replaced by grinding using a special grinding head on a milling machine. At the beginning of 1956 an attempt was made simply to cut these surfaces with a wide tool. This was unsuccessful mainly because the lathe could not give cutting speeds lower than five metres per minute or greater than 70 metres per minute. However, a young machine operator, G.E. Namakonov, has succeeded in machining the surfaces of twenty different kinds of parts on a large boring mill. The productivity is twice as great as with grinding. The finishing cut is made with a depth of 0.1 - 0.2 mm with a feed of 0.25 - 0.4 mm per rev depending on the dimension and shape of the parts. The cutting speed varied from 100 - 300 metres per minute. The design of cutting tool and other similar features are discussed The complication and expense of equipping a planing machine for grinding and the difficulty of obtaining suitable grinding

MASTYUKOVA, Xu.N.; SARAYEVA, N.T.; KAZACHENKO, N.F.; YAROSLAVSKAYA, N.V.;
RAYKHSHTADT, G.N.; SHVARTSMAN, M.N.

Studies on results of smallpox vaccination. Vop.virus. 6 no.2:
189-196 Mr.Ap '61.

1. Moskovskiy institut epidemiologii, mikrobiologii i gigiyeny
i sanitarno-epidemiologicheskaya stantsiya Sverdlovskogo rayona
Moskvy.

(SMALLPOX)

MASTYUKOVA, Yu.N.; SARAYEVA, N.T.; KOZACHENKO, N.F.; YAROSLAVSKAYA, N.V.;
MAYKHSHTADT, G.N.; SHVARTSMAN, M.N.

Study of the results of smallpox vaccination. Report No.2.
Vop. virus. 6 no.5:573-576 S-0 '61.

1. Moskovskiy institut epidemiologii, mikrobiologii i gigiyeny i sanitarno-epidemiologicheskaya stantsiya Sverdlovskogo rayona Moskvy.

(SMALLPOX)

SHVARTSMAN, M.S., ordinator

Use of nitroenamel in manufacturing facings. Stomatologia 35 no.1:55 Ja-F *56. (MLRA 9:6)

1. Iz kafedry khirurgicheskoy stomatologii (zaveduyushchiy professor A.I.Yevdokimov) Moskovskogo meditsinskogo stomatologicheskogo instituta (direktor dotsent G.N.Beletskiy)
(DENTAL PROSTHESIS)

SHVARTSMAN, M.S., ordinator

Fixation of prosthesis in the case of a unilateral defect of teeth. Stomatologiia 36 no.4:73 J1-Ag '57. (MKRA 10:11)

1. Iz kafedry khirugicheskoy stomatologii (sav. - prof. A.I. Yevdokimov) Moskovakogo meditsinskogo stomatologicheskogo instituta (dir. - dotsent G.N.Beletskiy) (DENTAL PROSTHESIS)

Use of wire bone sutures for securing splinters in fractures of the lower jaw. Stomatologia 37 no.2:21-24 Mr_Ap '58. (MIRA 11:5)

1. Iz kafedry khirurgicheskoy stomatologii (zav.-prof. A.I. Yevdokimov) Moskovskogo meditsinskogo stomatologicheskogo instituta (dir.-dotsent G.N. Beletskiy)

(JAWS--FRACTURE)

YERNOLAYNY, I.I., assoirant; SHVARTSMAN, M.S., ordinator

Use of a hemostatic sponge in hemorrhage from the hole left by an extracted tooth. Stonatologiia 37 no.2:64-65 Mr-Ap '58. (MIRA 11:5)

1. Iz knfedry khirurgicheskoy stonatologii (zav.-prof. A.I. Yevdokimov) Moskovskogo meditsinskogo stomatologicheskogo instituta (dir.-dotsent G.N. Beletskiy)

(THETH-EXTRACTION)

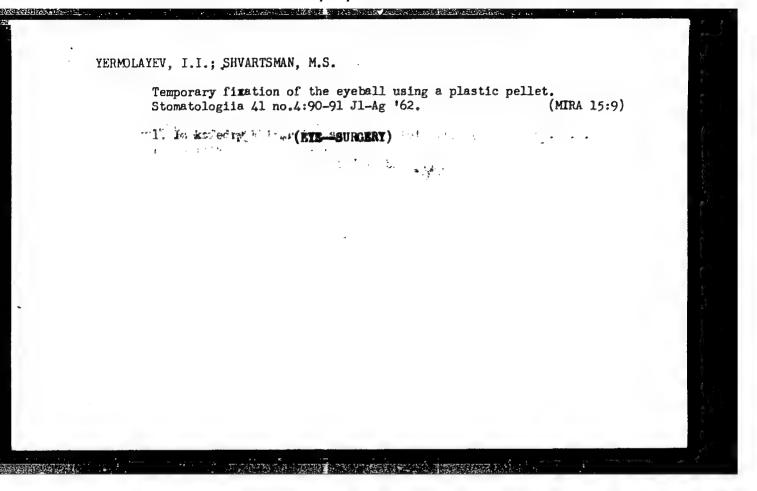
SHVARTSMAN, M. S., Candidate Med Sci (diss) -- "Ostecsynthesis with a wire suture in breaks of the lower jaw". Moscow, 1959. 12 pp (Min Health RSFSR, Moscow Med Stomatological Inst), 200 copies (KL, No 23, 1959, 17h)

SHVARTSMAN, H.S.

Experimental basis for the use of bone sutures in fractures of the mandible. Stomatologia 38 no.1:59-62 Ja-7 '59. (MIRA 12:3)

1. Iz kafedry khirurgicheskoy stomatologii (zav. - prof. A.I. Yevdokimov) Moskovskogo meditsinskogo stomatologicheskogo instituta (dir. - dots. G.N. Beletskiy).

(JAWS--FRACTURE)



BOGATYREV, V.A.; Meten, V.A.; SHVARTSMAN, M.S.

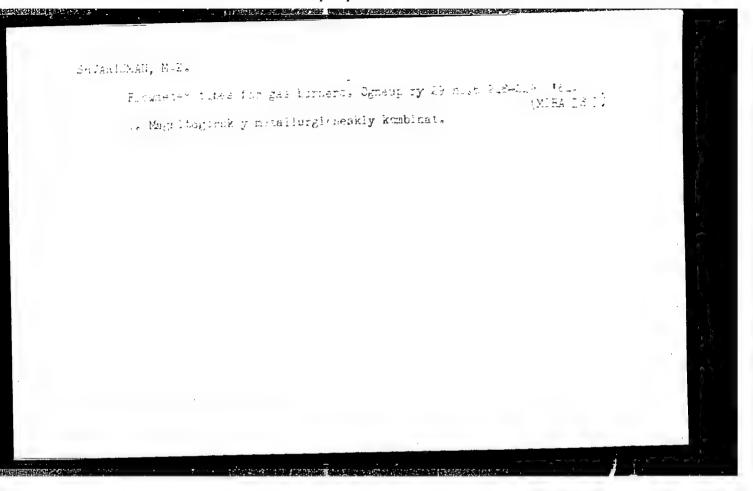
Using net charts in the construction of chemical plants. Prom. stroi. 42 nc.2:6-10 '65. (MIRA 18:4)

1. Khimicheskiy kombinat "Luganskkhimstroy" (for Bogatyrev, Meder). 2. Nauchno-issledovatel skiy institut stroitel nogo proizvodstva Gosstroya UkrSSR (for Shvartsman).

SHVARTSMAN, M.S., inzh.

Some conclusions from the experience in applying network scheduling to construction projects in the Ukrainian S.S.R. Prom. stroi. 43 no. 11:4-6 '65. (MIRA 18:12)

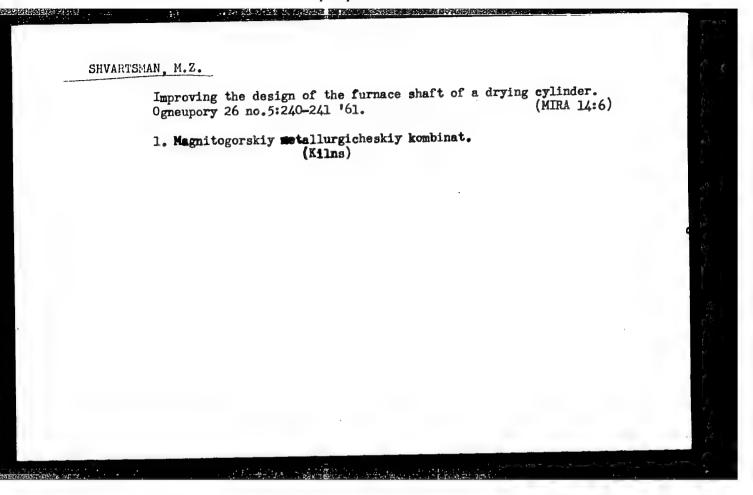
1. Nauchno-issledovatel'skiy institut stroitel'nogo proizvodstva Gosstroya UkrSSR.

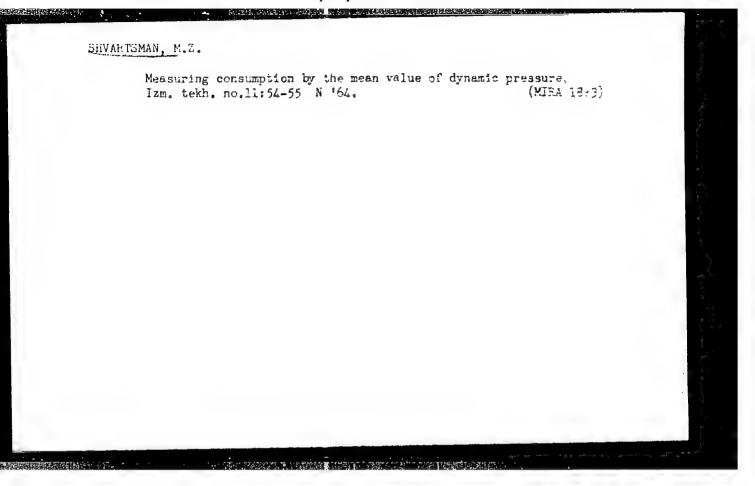


SHVARTSMAN, M.Z., inzh.

Counterflew chamber tunnel drier with an air barrier. Ogneupery 18 no.8:375-381 '53. (MIRA 11:10)

1. Magnitegerskiy metallurgicheskiy kembinat. (Drying apparatus)





PIMENOVA, M.N.; POLYANSKAYA, G.G.; SHVARTSMAN, P. Ya.; YANUSH, I.M.

Study of the mutagenic action of a medium containing ethylenimine on Drosophila larvae. Vest. LGU 19 no.21:153-155 '64 (MIRA 18:1)

L 19824-65 EWT (1)/EPR/EWA (m)-2/EWA (h) Ps-4/Peb AEDC (b)/AFTC (p) WW

ACCESSION NR: AP5001035

S/0115/64/000/011/0054/0055

AUTHOR: Shvartsman, M. Z.

TITLE: Measuring rate-of-flow by the average value of dynamic pressure

SOURCE: Izmeritel'naya tekhnika, no. 11, 1964, 54-55

TOPIC TAGS: flow meter 19

ABSTRACT: A method for measuring gas or air flow in short (2-3 m) straight pipes of any size is described. Applicable to combustion measurements, etc., the method is based on measuring the arithmetic mean value of the dynamic pressure by a special flat twin tube with nozzles. The tube measures both static and dynamic pressures by means of a micromanometer. Formulas for correction factors are supplied. Orig. art. has: 2 figures and 4 formulas.

ASSOCIATION: none

SUBMITTED: 00

SUB CODE: IE

ENCL: 00

NO REF SOV: 000 OTHER: 000

Cara . 1/1

Nudel'man, A.A., and Shvartsman, P.A. SOV/42-13-6-13/33 AUTHORS: On the Spectrum of the Product of Unitary Matrices (O spektre TITLE: proizvedeniya unitarnykh matrits) PERIODICAL: Uspekhi matematicheskikh nauk, 1958, Vol 13, Nr 6, pp 111-117 (USSR) The authors investigate the eigenvalues  $v_k = e^{i\omega_k}$ ,  $0 \le \omega_k \le 2\pi$ , ABSTRACT:  $\omega_1 \geqslant \omega_2 \geqslant \cdots \geqslant \omega_n$  of the matrices C = AB, where A and B are arbitrary unitary matrices with given eigenvalues:  $\begin{array}{lll} \mathbf{A} \approx \lambda_{\mathbf{k}} = \mathbf{e}^{\mathbf{i} \varphi_{\mathbf{k}}}, & 0 \leq \mathbf{P}_{\mathbf{k}} < 2\pi, & \psi_{1} \geqslant \varphi_{2} \geqslant \cdots \geqslant \varphi_{n} \\ \mathbf{B} \approx \mu_{\mathbf{k}} = \mathbf{e}^{\mathbf{i} \psi_{\mathbf{k}}}, & 0 \leqslant \psi_{\mathbf{k}} < 2\pi, & \psi_{1} \geqslant \psi_{2} \geqslant \cdots \geqslant \psi_{n}. \end{array}$ Under the assumption  $(\varphi_1 + \psi_1) - (\varphi_n + \psi_n) < 2\pi it$  holds: The set of the points (  $\omega_1, \omega_2, \ldots, \omega_n$ ) is contained in the intersection L of minimal closed convex bodies which contain the points  $(\varphi_1 + \psi_{k_1}, \varphi_2 + \psi_{k_2}, \dots, \varphi_n + \psi_{k_n})$ (first body)  $(\psi_1^+ \psi_{k_1}^-, \psi_2^+ \psi_{k_2}^-, \dots, \psi_n^+ \psi_{k_n}^-) \qquad (\text{second body}),$ Card 1/2

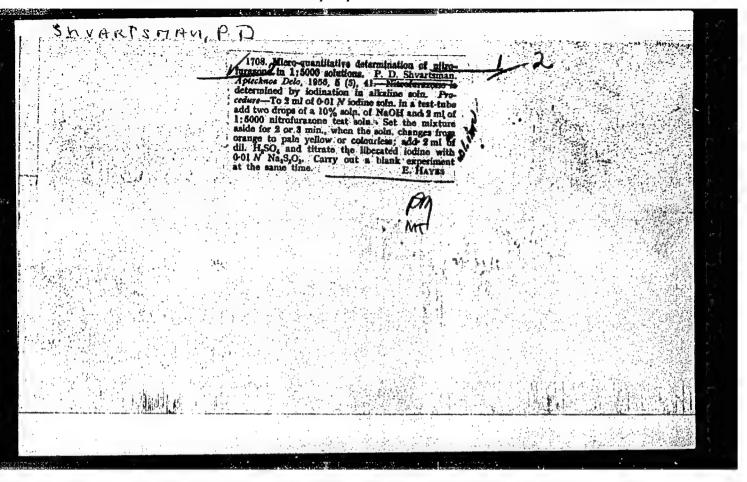
APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330010-3"

On the Spectrum of the Product of Unitary Matrices SOV/42-13-6-13/33

where  $k_1,k_2,\ldots,k_n$  are all possible permutations of the indices 1,2,...,n. Furthermore the authors introduce local coordinates of the matrices C and the derivatives of the  $\omega_k$  with respect to these coordinates are calculated. The authors thank M.G.Kreyn for the assistance. There are 2 Soviet references.

SUBMITTED: March 20, 1957

Card 2/2



SHVARTSMAN, P.D.

New qualitative reaction for dicaine. Farmatsev. zhur. 16 no.1:64 '61. (MIRA 17:8)

1. Kamenets-Podol'skaya kontrol'no-analiticheskaya laboratoriya.

SHVARTSMAN, P.D.; SKAL'T, B.I.

Alkalimetric method of quantitative determination of methionine. Apt. delo 12 no.6:63 N-D 163.

(MIRA 17:2)

1. Kamenets-Podol'skaya kontrol'no-analiticheskaya laboratoriya.

S/262/62/000/015/005/011 I007/I207

**AUTHORS:** 

Potemkina, A. M., Shvartsman, P. I. and Muslin, E. S.

TITLE:

On the failure of turbine discs when operating at a "reverse" temperature gradient

PERIODICAL:

Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustanovki, no. 15, 1962, 30, abstract

42.15.184 (In collection Teplovyye napryazheniya v elementakh turbomashin, Kiev, AS

UkrSSR, no. 1, 1961, 150-155)

TEXT: The analysis of turbine disc operation at "reverse" temperature gradients, shows that the stressed state of the turbine disc periphery under such conditions is liable to cause disc failure. Reliable operation of turbine discs in mobile turbine plants requires a more detailed study of the effect of temperature gradients on the carrying capacity of discs under cycling working conditions and stress concentrations.

[Abstracter's note: Complete translation.]

10

Card 1/1

APOSTOLOV, B.G., dotsent; SHVARTSMAN, S.G.

Corticosteroids in therapy of the nephrotic syndrome in children. Uch. zap. Stavr. gos. med. inst. 12:365-366 *63.

Effectiveness effectiveness of treating leukemia in children. Ibid.:369-370 (MIRA 17:9)

1. Kafedra aetskikh bolezney (zav. dotsent B.G. Apostolov) Stavropol'skogo gosudarstvennogo meditsinskogo instituta.

APOSTOLOV, B.G., dotsent; PETROVA, Z.S.; MAKRLINOVSKIY, L.I.; ZAKOTIN, Ye.S.; SHVARTSMAN, S.G.

Current clinical and epidemiological characteristics of dysentery in young children. Uch. zap. Stavr. gos. med. inst. 12:373-374 '63. (MIRA 17:9)

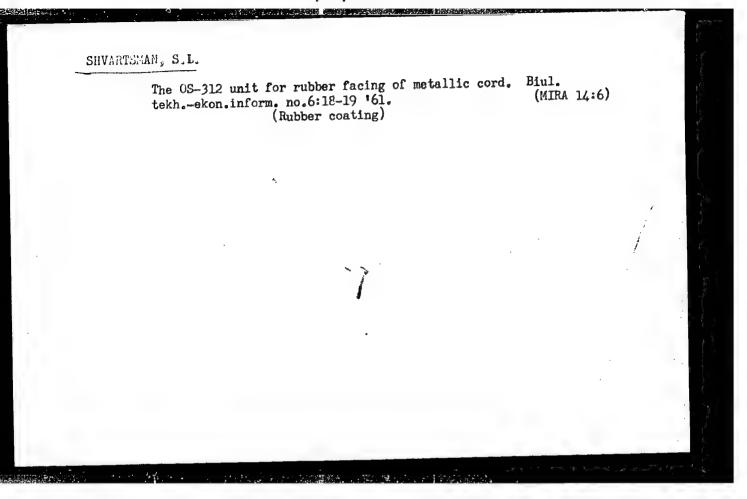
1. Stavropol'skiy nauchno-issledovatel'skiy institut vaktsin i syvorotok (dir. dotsent V.M. Kruglikov) i kafedra detskikh bolezney (zav. dotsent B.G. Apostolov) Stavropol'skogo gosudarstvennogo meditsinskogo instituta (rektor prof. B.G. Budylin).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330010-3"

BALANDIN, A.D.; STEPANOVA, V.K.; SHVARTSMAN, S.G.

Three cases of nodular periarteritis. Uch. zap. Stavr. gos. med. inst. 12:402-403 '63. (MIRA 17:9)

1. Kafedra patologicheskoy anatomii (zav. kafedroy dotsent K.I. Savvina) i kafedra detskikh bolezney (zav. kafedroy dotsent B.G. Apostolov) Stavropoliskogo gosudarstvennogo meditsinskogo instituta.



APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330010-3"

SHVARTSMAN, Samuil Mironovich; LAZAREV, Yu.G., redaktor; SCHOLEVA, Ye.M.,

TERMITCHE Skly redaktor

[Calculation of the strength of boiler apparatus elements] Raschet prochnosti elementov kotel'nykh agregatov. Moskva, Gos. energ. izd-vo, 1957. 268 p.

(Boilers)

SHEYNMAN, Yevgeniy Vladimirovich; SHVARTSMAN, S.M., red.; ZHITNIKOVA, O.S., tekhn. red.

[Manufacture of dust-gas-air lines and low-pressure pipelines for thermal electric power plants] Zavodskoe izgotovlenie pylegazovozdukhoprovodov i truboprovodov nizkogo davleniia dlia teplovykh elektrostantsii. Moskva, Gosenergoizdat, 1963. 386 p. (MIRA 16:7)

(Pipelines)
(Electric power plants-Equipment and supplies)

Optimum distribution of heat sensitivity between the components of terminal heating surfaces of boiler units. Energomashinostroenie 9 no.6:5-11 Je '63. (MIRA 16:9)

SHVARTSMAN, S.M., kandidat meditsinskikh nauk.

Therapy of suppurative skin diseases with a penicillin and campolon mixture. Vest.ven.i derm. no.5:51 S-0 '53. (MERA 6:12)

1. Iz Leningradskogo koshno-venerologicheskogo dispansera Mo.13. (Skin--Diseases) (Penicillin)

#### CIA-RDP86-00513R001550330010-3 "APPROVED FOR RELEASE: 08/31/2001

. BINNBISDICK, J. D.

, USSR /Microbiology. Medical and Veterinary Microbiology.

F-6

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35768

: Volferts, G.A.; Shvartsman, S.M. Author

The Pathogenity and Virulence of Cultures of тitle

Yeast-like Fungi, Isolated in Mycosis of the

Lower Extremities

V sb.: Eksperim. i klinich. issledovaniia II, L, Medgiz, 1956, 133-134 Orig Pub:

Yeast-like fungi, screened from mycosis of the Abstract:

lower extremities and usually viewed as saprophytes can under definite conditions be converted into pathogenic. Suspensions of cells of Mycotoruloides and Geotrichoides, isolated from people with easy scaling in the inter-toe fold in the so-called worn off forms of mycosis of the lower extremities,

Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001550330010-3"

the strong of a selection of the selecti

'USSR /Microbiology. Medical and Veterinary Microbiology.

F-6

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35768

Were injected into guinea pigs, rabbits and mice. Infection was obtained only in the guinea pigs with an intradermal injection of the culture and according to the method of Pak or Blokh. Four to five passages through the organism of the guinea pigs strengthened the virulence of the cultures -- it caused the death of the animal from sepsis both in intravenous and intraperitoneal injections.

Card 2/2

LIPSKAYA, M.I.; MAKOVER, R.G.; SHVARTSMAN, S.M., kand.med.nauk

Treating pustular skin diseases with a synthomycin emulsion. Vest.derm.
i ven. 31 no.2:46 Mr-Ap 157.

1. Iz kozhno-venerologicheskogo dispansera No.13 Frunzenskogo rayoua
Leningrada.
(SKIN--DISEASES) (CHLOROMYCETIN)

SHVARTSMAN, S.M., kand.med.nauk; LIPSKAYA, M.I.

Preliminary results of dispensary treatment of epidermophytosis of the foot. Vest.derm. i ven. 33 no.3:42-44 My-Je '59.

(MIRA 12:9)

1. Iz kozhno-venerologicheskogo dispansera No.13 Frunzenskogo rayona Leningrada (glavnyy vrach Z.S.Lisitsyna, konsul'tant - prof.Ye.S.Zalkind.

(RINGWORM, ther.
foot, ambulatory ther. (Rus))

(FOOT, dis.
ringworm, ambulatory ther. (Rus))

SHVARTSMAN, S.M., kand.med.nauk; KIPSKAYA, M.I.; IVANOVA, R.A.

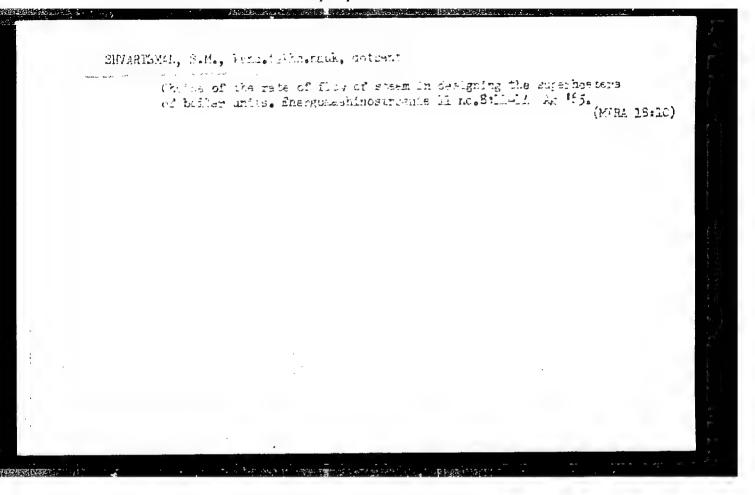
Results of the prevention of epidermophytosis of the feet in swimming pools. Vest.derm.i ven. 35 no.1:66-68 Ja *61.

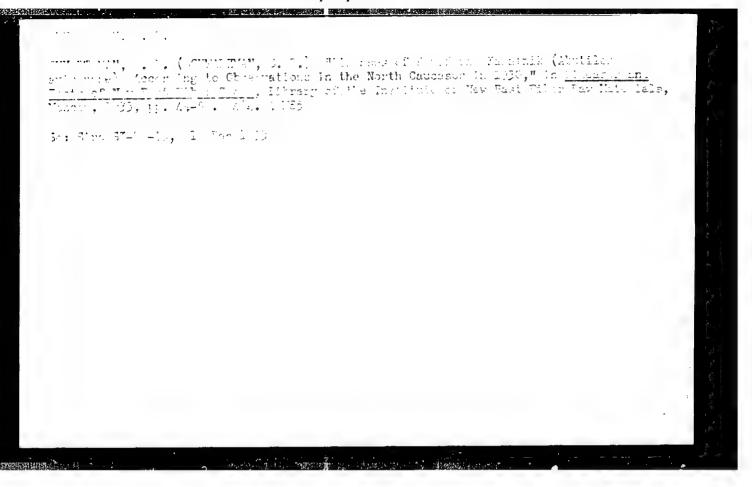
(MIRA 14:3)

1. Iz kozhno-venerologicheskogo dispansera No.13 Frunzenskogo rayona Leningrada (glavnyy vrach Z.S. Lisitsyna, konsul'tant - doktor med.nauk O.K. Shaposhnikov).

(SWIMMING POOLS: HYGIENIC ASPECTS) (RINGWORM)

(FOOT-DISEASES)





CHVARTSHAM, S. R.

Agriculture

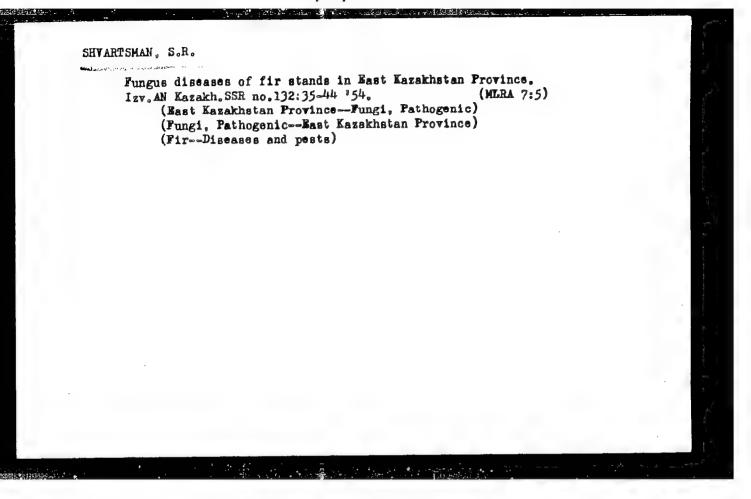
Fungoid diseases of trees of Kazakhstan and measures of controlling them. (Nauchno-populiarnaya seriya). Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1950.

Monthly List of Russian Accessions, Library of Congress, October 1952 . Unclassified.

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1.	1. 8 884	ukukati e	

- 2. USSR (600)
- 4. Fir Diseases and Pests
- 7. New disease of the fir, induced by phoma abietallasibirica Schwarzman sp. nova. Bot.mat.Otd.spor.rast. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

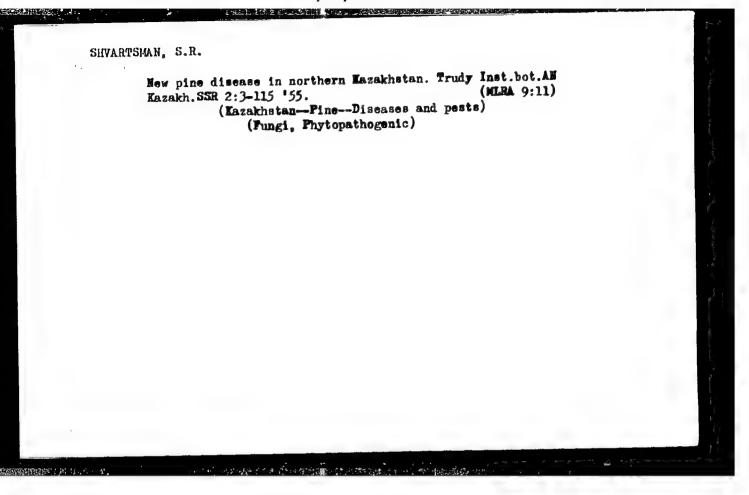


Fungus diseases and mycorhiza of the main tree varieties of West
Kazakhstan Province. Trudy Inst.bot.AW Kazakh SSR 1:146-176 '55.

(MER 9:11)

(West Kazakhstan Province--Trees--Diseases and pests)

(Mycorhiza) (Fungi, Phytopatogenic)



NEVODOVSKIY, G.S.; SHVARTSMAN, S.K., kendidat biologicheskikh nauk, otvetstvennyy redaktor; SUVOROVA, R.I., redaktor; ALFEROVA, P.F., tekhnicheskiy redaktor

[Spore-bearing plants of Kasakhstan] Flora sporovykh rastenti Kasakhstana. Alma-Ata, Vol.1. [Rust fungi] Rshavchinnye griby. 1956. 431 p.

1. Akademiya nauk Kasakhskoy SSR, Alma-Ata, Institut botaniki (Kasakhstan--Uredinese)

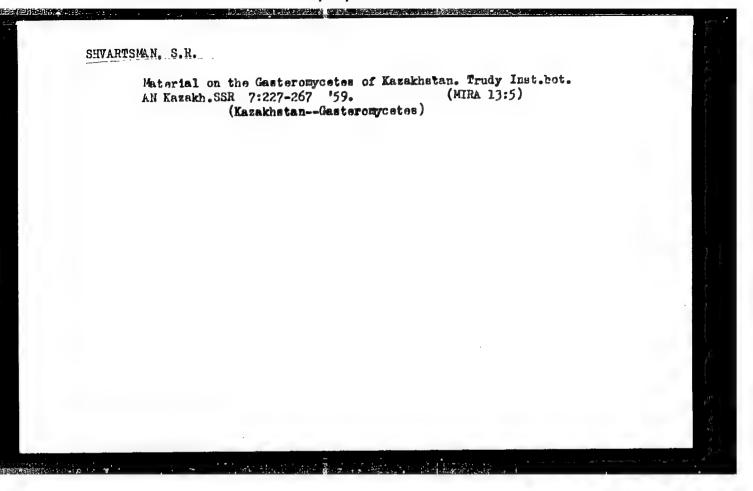
SHVARTSMAN, S.R.; LEONOVA, H.M.; ANTIPOVA, G.N.

Parasitic and saprophytic mycoflors of white birch in northern

Easakhstan. Trudy Inst.bot.AN Easakh.SSR 4:76-110 '56. (MLPA 10:2)

(Birch-Diseases and pests)

(Easakhstan-Fungi, Phytopathogenic)



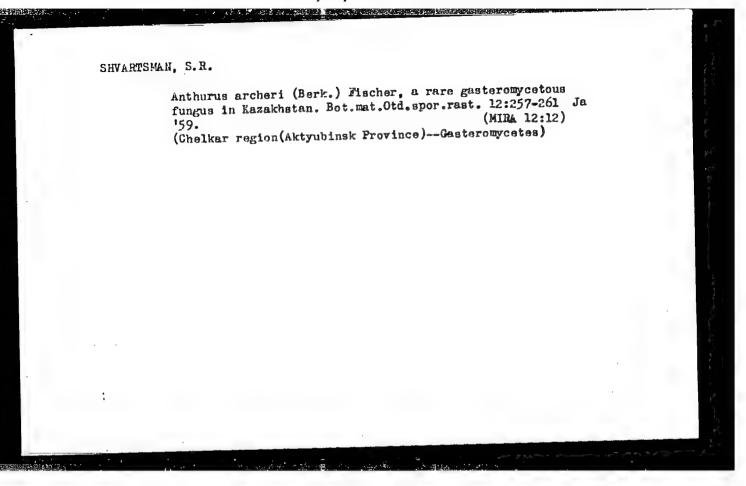
SHVARTSMAN, S.R.

New genus of ascomycetous fungi (fam. Stictidaceae) in the Tien
Shan. Bet.mat.Otd.spor.rast. 12:224-228 Ja '59.

(MIRA 12:12)

(Terskey Ala-Tau--Ascomycetes)

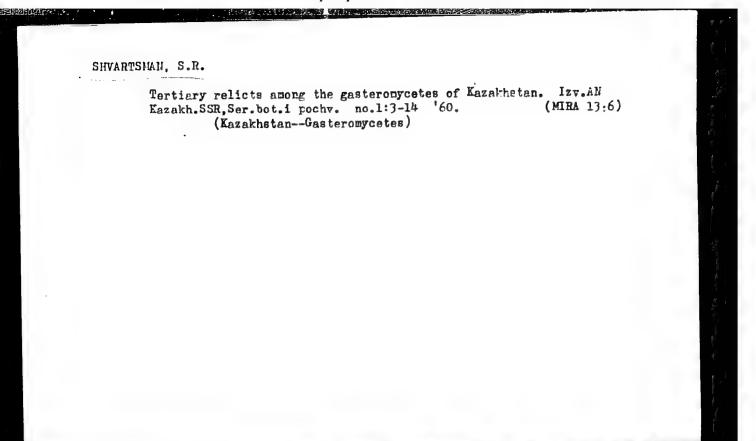
(Trans-Ili Ala-Tau--Ascomycetes)



SHVARTSMAN, Sof'ya Ruvinovna; SUVOROVA, R.I. rad.; ALPEROVA, P.F.,

[The flora of sporeforming plants of Kazakhstan] Flora sporovykh rastenii Kazakhstana. Vol.2. [Smit fungi] Golovnevye griby.
1960. 367 p. (MIRA 14:2)

1. Akademiya nauk Kazakhakoy SSR, Alma-Ata. Institut botaniki. (Kazakhatan--Smuta)



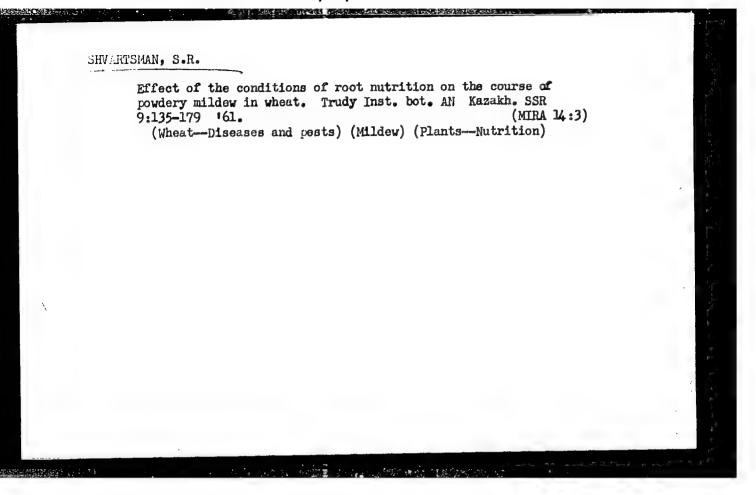
VASYAGINA, Mariya Pavlovna; KUZNETSOVA, Mariya Nikolayevna; PISAREVA,
Nadezhda Fedorovna, SHVARTSMAN, Sof'ya Ruvinovna, kand. biolog.
nauk; SUVOROVA, R.I., red.; SHEVCHUK, T.I., red.; ROROKINA, Z.P.,
tekhm. red.

[Flora of sporeforming plants of Kazakhstan] Flora sporovykh rastenii Kazakhstana. Alma-Ata, Izd-vo Akad.nauk Kazakhskoi SSR. Vol.3. [Mildew] Muchnisto-rosianye griby. 1961. 458 p. (MIRA 15:1)

(Kazakhstan-Mildew)

SHVARTSMAN, S.R.; KRAVISEV, B.I. [deceased]

Fungus diseases of desert shrubs in Kazakhstan. Trudy Inst. bot.
Ali Kazakh. SSR 9:3-108 161. (MIRA 14:3)
(Kazakhstan—Fungi, Phytopathogenic) (Shrubs—Diseases and pests)



SHVARTSMAN, Sof'ya Rubinovna; SUVOROVA, R.I., red.; ROROKINA, Z.P.,

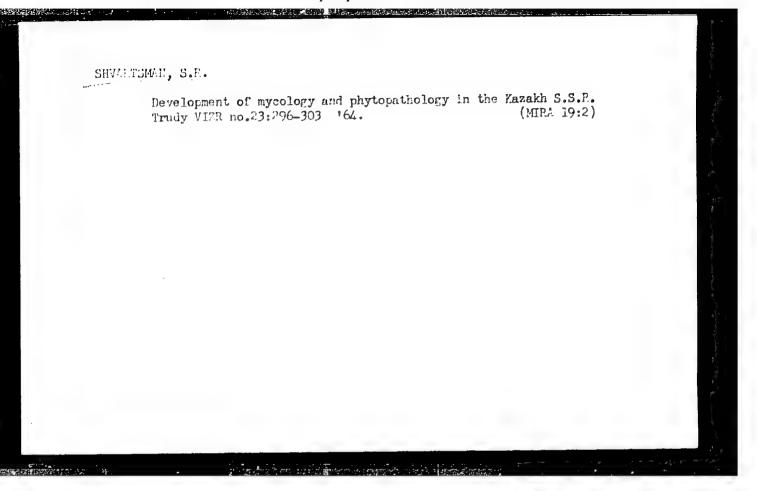
[Materials on the history of mycoflora of Kazakhstan (supplement to the 2d volume of "Flora of sporeforming plants of Kazakhstan Smut fungi", 1960)]Materialy k istorii mikoflory Kazakhstana (dopolnenie k II tomu "Flory sporovykh rastenii Kazakhstana. Go-lovnevye griby." S.R.Shvartsman, 1960). Alma-Ata, Izd-vo Akad. lovnevye griby. SSR, 1962. 182 p. (MIRA 16:2) (Kazakhstan—Smuts)

[Deprobeating Torn of Kazakhstan] Flora sporcyth rastenii hazakhstane. Aima-Ata, Izd-vo AN Kaz.SSR. yoi.d. [Hetero-hazakhstane. Aima-Ata, Izd-vo AN Kaz.SSR. yoi.d. ]

[Izd-vo An Ata, Izd-vo AN Kaz.SSR. yoi.d. yoi.d. [Hetero-hazakhstane. Izd-vo AN Kaz.SSR. yoi.d. ]

[Izd-vo An Ata, Izd-vo AN Kaz.SSR. yoi.d. yoi.d. yoi.d. yoi.d. ]

[Izd-vo An Ata, Izd-vo AN Kaz.SSR. yoi.d. yoi.d. yoi.d. yoi.d



SHVARTSMAN, S.Ya.; TARUSHKINA, G.A.; SAMOKHINA, N.M.

Heroes of socialist labor rank first in production. Tekst.prom. 20 no.7:55-59 J1 '60. (MIRA 13:7)

1. Predsedatel' fabrichnogo komiteta profsoyuza tekstil'shchikov. (Textile workers)

Carried Barrier Commencer

SHVARTSMAN, S.Ya.

Treatment using neuroplegic preparations of patients suffering from late schizophrenia. Trudy Gos.nauch.-issl.inst.psikh. 27:183-190 '61. (MIRA 15:10)

1. Moskovskaya gorodskaya psikhiatricheskaya bol'nitsa No.5.
Glavnyy vrach - kand.med.nauk Yu.B.Rozinskiy. Nauchnyy rukovoditel'prof. I.G.Ravkin.
(SCHIZOPHRENIA) (AUTONOMIC DRUGS)

RYABKO, Kh.G.; SHVARTSMAN, S.Ye.; SHUL'MAN, S.L.; TOCHENYY, P.A., red.;
UMANETS, V.K., tekhn.red.

[Machine-tool units] Zavod malykh agregatnykh stankov.

Agregatnye stanki. Khar'kov, Khar'kovskoe obl.izd-vo. 1958.

39 p. (Machine tools)

(Machine tools)

	Donshoy, Ya. Ye., G.I. Kardash, and I.P. Lyalynk, eds.	
	Mokhuninakaiya i awtomniinakaiyan shornik statey ob epyte wedreniya nekhaninakail a awtomviinakail na khar'koysinih manhinout-yotel'ny'kh zavodahh (bechanization and Automation; Collection of Artisles on the Entochretion of Methanization and Automation in Rhar'kov Kurinery-Kamfacturing Plants   Khar'kov] Ehar'kovskoye knizhnoyu ind-vo, 1360. 177 p. 5,500 copies printed.	1918
	Editorial Board: S.A. Worob'yev, Cardidate of Technical Sciences; Chairman of the Editorial Board: P.I. Zanga, Engineer, A.A. Kahlov, Engineer, Y.T. Randow, Engineer, A.Y. Engores, A.Y. Tonory, Scores, A.A., Typitaps, Candidate of Technical Sciences, and S.M. Enarca, Candidate of Technical Sciences, and S.M. Enarca, Candidate of Technical Sciences, Eds., Ya. Fee, Donshoyy, G.I. Martusk, and I.P. Lysipai, Tech. Eds., M.I. Limunea,	
	WENGER: This collection of articles is interiod for technical and scientific personnel, outstanding vorkers, and shock vorkers of communist labbr.	
	COVENCE: The millifrected experience of English or enterprises in the methanization, the automation, and improvement of manufacturing processes is generalized. The development of new members, and processes is generalized. The development of new members, and processes and the considered and attention is given to revely established subterprises, and to the introduction of the chemphanization is the Englishe subterprises, and to By including concrete enamples and facts, the exclosive of the various articles attent to demonstrate the excitorements of the English and July (1960) Flemmas of the Central Committee of the Commission of the Com	
-	TAME OF CONTRIES:	•
	Shubenko-Shubin, L.A. (Corresponding Member of the Academy of Sciences of the Units), Chief Designer of the Enricoratiy turbinnyy saved Ens rivory futurin of Planti, The Development of Steam-Turbice Building at the English Thant imeni Kirov	
AWA	-	
415	flepaty Deputy	
	Mechanization and Automation (Cont.) 807/3452	
2 2	nekly, F.B., and M.G. Vishmewskiy (Engineers), T bop of the Khar'kovskiy pudskipmikuwyy zawyi (Kha	
<b>.</b> .	Plant)	
<b>6 2</b> ₹	Stepanor, S.F. (Printy Chief Engineer of the Markovsky stanbarard English Wochize-Tool Plant), and I.T. Frantamor (Chief Designer), Automatic and Scalautomatic Crinding Pachines	
24	Kas Vator; 0.3., 5. Xe. Shrattanan, and I.W. Zil'berbers [Engineers]. Antomatic Unit-Bial Machine Tools	
2.2	Manguld, V.A., and V.G. Kovalenko (Etgineers). What is Accompliahed at the "Elektrostapok" Plant	
23	Korthow, P.K. (Chief Engineer of the Edita), Astoomite (Production) Lines for Stamping Stator and Rotor Sheets	
3 K	fwet shilbters" Plant].	
5	Card 4/8	

SHVARTSMANVA.

89-10-22/36

AUTHORS:

Osipov, A.I., Shvartsman, V.A., Alekseyev, V.I., Surov, V. F. Sazonov, h. ., Bulskiy, M.T., Telesov, S.A., Skrebtsov, A.M., Of engenden,

A.M., Gol'dshteyn, L. G., Sviridenko, F. F.

TITLE:

The use of Radio Isotopes when Investigating the Kinetics of Scrap Fusion and Slag Formation in the Scrap-Ore Process. (Prime nenive radioaktivnykh isotopov dlya izucheniya kinetiki plavleniya skrapa i shlakoobrazovaniya pri skrap-rudnom protsesse)

PERIODICAL: Atomnaya Energiya, 1957, Vol. 3, Nr 10, pp. 352-355 (USSR)

ABSTRACT:

1) Investigation of the kinetics of scrap fusion. The fusion velocity in the 130 and 350 ton open hearth furnaces is shown on the basis of the reduction of the specific activity of standard metal samples (400 g), which contain Co-60 with the help of 12 counting tubes of the MC-4 type. From the dependence obtained between the molten scrap quantity and

the time which as elapsed since introduction of the scrap, it follows that nearly 100% of the scrap is molten already after about

2) Investigation of the kinetics of slag formation. CaO, in which Ca-45 was included, was used for this investigation. The CaO is introduced into the liquid slag in clased metallic tubes and standard samples for measuring are taken out only after a lapse of time of 30-35 minutes. As measurement for the velocity in which Ca dissolves in the slag, the relation

Card 1/2

The Use of Radio Isotopes When Investigating the Kinetics of Scrap 89-10-22/36 Fusion and Slag Formation in the Scrap-Ore Process.

 $\frac{dx}{dt} = K_{SCH} (100 - x)^{2/3}$  was experimentally confirmed.

x here denotes the weight of the CaO already dissolved and KSCH the proportionality coefficient for slag formation. There are 4 figures and 2 Slavic references.

SUBMITTED AVAILABLE January 15, 1957 Library of Congress

Card 2/2

SHVAR+SMAN, Y.F.

KOROLEV, A.A., ken didat tekhnicheskikh nauk; KOGOS, A.M.; TOKARSKIY, A.P.,
NOSAL', V.V. GUHEVICH, A.Ye., SHVARTSMAN, V.F.; KARPOV, V.F.;
SHUL'MAN, P.G.; ADAMOVICH, N.K.; CHETIRBUK, F.M.; TSELIKOV, A.I.,
KUZ'MIN, A.D., kandidat tekhnicheskikh nauk; TIKHONOV, A.Ya., tekhnicheskiy redaktor.

[Blooming mill 1000] Bliuming 1000. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry. 1955. 271 p. (MLRA 8:8)

1. Chlen-korrespondent AN SSSR (for TSelikov)
(Rolling mills)

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Surface in the

Ul R/Radar Equipment Jables, Electric

Jan 1947

"Radar Withod of Determining Breaks in Communication Lines," 7. K. Kuleshav, Jandidate in Technical Sciences, V. O. Shvartsman, Sn.r., 22 pp

"Yestnik Svyazi - Elektrosvyaz!" No 1 (82)

Describes the operation of the "reflectometer" which uses a radar principle of determining the point of break in a communication table. It works on the principle that a break will return a certain volume of the impulse sent over the line, and the strength of the impulse will determin. The approximate location of the break. Photograph of the apparatus and some diagrams showing oscillograph recordings of the apparatus.

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